Title (en)

COMMUNICATIONS NETWORK

Title (de)

KOMMUNIKATIONSNETZ

Title (fr)

RESEAU DE COMMUNICATIONS

Publication

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Application

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Abstract (en)

[origin: WO02071793A1] A communications network that can determine for itself its own network topology, that is the identity and interconnection of nodes comprising the network is described. The network comprises a plurality of nodes (A to E) each having at least one port (A1 to E1), the ports being interconnected (7 to 13) in accordance with the network topology and in which communication traffic is conveyed over the network via the interconnected ports. Each port is arranged to transmit first information (h to u) within the communication traffic including the identity of the port (Section trace identity) from which the communication traffic originates. Means are provided which are arranged to transmit second information between nodes identifying which first information identity relates to which node and which port; and processing means arranged for determining for each node from the first and second information, the identity of adjacent node/s and the identity of the port/s to which its ports are connected.

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H04Q 11/04

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WO 02071793 A1 20020912; AT E350876 T1 20070115; CA 2439035 A1 20020912; CA 2439035 C 20090602; CN 100441053 C 20081203; CN 1507765 A 20040623; DE 60217308 D1 20070215; DE 60217308 T2 20071004; EP 1368984 A1 20031210; EP 1368984 B1 20070103; GB 0105500 D0 20010425; JP 2004524749 A 20040812; US 2005038901 A1 20050217; US 7447753 B2 20081104

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